

Appl. No. 08/484,786

April 6, 2004 Amendment and Response to Office Action

**Amendments to the Claims:**

This listing of claims will replace all prior versions and listings of claims in the application:

**Listing of Claims:**

Claims 1-102. (canceled).

Claim 103. (new) An HLA-DR typing kit comprising a DNA sequence selected from the group consisting of:

- (a) the sequence which encodes for amino acids LELLKSE of the HLA-DR locus;
- (b) the sequence which encodes for amino acids LEQVKHE of the HLA-DR locus;
- (c) the sequence which encodes for amino acids FLERHFH of the HLA-DR locus;
- (d) the sequence which encodes for amino acids FLDRYFY of the HLA-DR locus;
- (e) the sequence which encodes for amino acids RGQVDNY of the HLA-DR locus;
- (f) the sequence which encodes for amino acids RAAVDTY of the HLA-DR locus; and
- (g) DNA sequences which are fully complementary to any of the foregoing DNA sequences.

Claim 104. (new) The typing kit of claim 103, further comprising a hybridization control of the formula  
GCTTCGACAGCGACGTGGG.

Claim 105. (new) An HLA-DR typing process comprising the steps of:

- (a) hybridizing DNA in a sample to be tested to a DNA sequence selected from the group consisting of:

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- (i) the sequence which encodes for amino acids LELLKSE of the HLA-DR locus;
- (ii) the sequence which encodes for amino acids LEQVKHE of the HLA-DR locus;
- (iii) the sequence which encodes for amino acids FLERHFH of the HLA-DR locus;
- (iv) the sequence which encodes for amino acids FLDRYFY of the HLA-DR locus;
- (v) the sequence which encodes for amino acids RGQVDNY of the HLA-DR locus;
- (vi) the sequence which encodes for amino acids RAAVDTY of the HLA-DR locus;
- (vii) DNA sequences which are fully complementary to any of the foregoing DNA sequences, and
- (b) detecting the hybridization between said sample DNA and said DNA sequence.

Claim 106. (new) The HLA-DR typing process according to claim 105, further comprising the step of:

- (c) comparing said hybridization to hybridization between DNA of known HLA-DR type and said DNA sequence.

Claim 107. (new) The typing process of claim 105 or 106, wherein prior to the step of detecting the hybridization between the sample DNA and said DNA sequence, the process further comprises the step of hybridizing the sample DNA to a hybridization control of the formula GCTTCGACAGCGACGTGGG.